

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/013936

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G02B6/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ G02B6/42

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 6-160674 A (Hitachi, Ltd.), 07 June, 1994 (07.06.94), Par. Nos. [0029] to [0050]; Fig. 3 & US 5408559 A1	1-20
X	JP 2003-524789 A (Infineon Technologies AG.), 09 August, 2003 (09.08.03), Par. Nos. [0022] to [0034]; Figs. 3a, 4 & WO 99/57594 A1 & US 6493121 B1 & EP 1082632 A & CA 2330474 A	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

Date of the actual completion of the international search
15 December, 2004 (15.12.04)Date of mailing of the international search report
28 December, 2004 (28.12.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.